

**ORGANIC SOL COMPRISING AT LEAST ONE OXYGENATED RARE-EARTH COMPOUND, SYNTHESIS METHOD THEREFOR, AND USE OF SAID SOL FOR CATALYSIS**

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Abstract not available for JP 11501609 (T)

Abstract of corresponding document: **WO 9719022 (A1)**

A method for processing soot containing one or more rare earths, wherein said soot is contacted with an oxygen-containing gas, is disclosed. The method comprises (a) preparing an aqueous phase comprising a dispersion of at least one oxygenated metal compound; (b) simultaneously or consecutively contacting a suspension from step (a) with an organic phase including at least one amphiphilic agent and preferably an organic mixture or compound as the solvent; and (c) recovering the organic phase. Said oxygenated metal compound is produced by means of a method according to which a solution including at least one soluble rare-earth salt, usually an acetate and/or a chloride, is prepared; the solution is contacted with a basic medium and the resulting reaction mixture is maintained at a basic pH; and the precipitate formed by atomisation or freeze-drying is recovered. Said method is useful in inorganic synthesis and catalysis.

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